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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P40A -SINGLE SERIES

Jameco Part Number 221583 (P40A-8P2JU)

.FULL RANGE AC INPUT
.COMPACT SIZE, LIGHT WEIGHT
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.SHORT CIRCUIT PROTECTED
.OVER LOAD PROTECTION
.OVER TEMP. PROTECTED
.OVER VOLTAGE PROTECTED
.APPROVALS:UL/CUL/TUV/CB/CE
.MTBF:500000HRS BY MIL-HDBK-217F, NOTICE 2, PARTS COUNT

ORDER NO. / SPECIFICATION	P40A -0P2J	P40A -1P2J	P40A-1 -1P2J	P40A -2P2J	P40A -3P2J	P40A -4P2J	P40A -5P2J	P40A -6P2J	P40A -7P2J	P40A -8P2J
SAFETY MODEL NO.	PSU40A -0	PSU40A -1	PSU40A -1-1	PSU40A -2	PSU40A -3	PSU40A -4	PSU40A -5	PSU40A -6	PSU40A -7	PSU40A -8
DC OUTPUT VOLTAGE	3.3V	5V	7.5V	9V	12V	15V	18V	24V	28V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±3%	±2%
OUTPUT RATED CURRENT	4.54A	5A	4A	3.88A	3.33A	2.66A	2.22A	1.66A	1.42A	0.83A
OUTPUT CURRENT RANGE	0-4.54A	0-5A	0-4A	0-3.88A	0-3.33A	0-2.66A	0-2.22A	0-1.66A	0-1.42A	0-0.83A
RIPPLE & NOISE (Vp-p)	50m	50m	80m	80m	80m	100m	100m	150m	150m	150m
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±3%	±2%
DC OUTPUT POWER	15W	25W	30W	35W	40W	40W	40W	40W	40W	40W
EFFICIENCY	65%	70%	72%	74%	75%	78%	78%	80%	80%	82%
DC VOLTAGE ADJ.	FIXED									
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz									
AC CURRENT	1A/100VAC									
AC INPUT CONNECTOR	IEC320-C14, 3PIN INLET									
INRUSH CURRENT	COLD START < 60A PEAK @ 230VAC									
LEAKAGE CURRENT	<0.75mA/240VAC									
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY									
OVER VOLTAGE PROTECTION	110%~140%									
OVER TEMP. PROTECTION	IC1 Tj 135℃ TYPICALLY POWER SHUTDOWN									
TEMP. COEFFICIENT	±0.03% / ℃ (0~50℃)									
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 16ms									
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES									
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min.									
ISOLATION RESISTANCE	I/P-O/P, I/P-FG: 100M Ohms min.@500VDC									
WORKING TEMP., HUMIDITY	0℃~+30℃ @ 100%LOAD, 40℃ @ 60% LOAD, 20%~90% RH									
STORAGE TEMP., HUMIDITY	-20℃~+85℃, 10%~95% RH									
DIMENSION	108*67*36mm (L*W*H)									
WEIGHT; Q'TY/CARTON	0.3Kgs; 54PCS/CARTON									
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVAL									
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11 VERIFICATION									
LENGTH OF OUTPUT CABLE	180cm OF SPT-1, 18AWG*2C									
PLUG OF DC OUTPUT	2.1¢*5.5¢*11mm, CENTER POSITIVE									

NOTE:
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25ºC 70% RH. AMBIENT.
2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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